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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of

Group Art Unit: 3746

BIRCH

Application No.: 10/072,990

Examiner: RODRIQUEZ, William H.

Filed: 2/12/02

For: GAS TURBINE ENGINE EXHAUST NOZZLE

\* \* \* \* \*

May 21, 2004

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Attached is a modified substitute form for PTO 1449A and which lists the enclosed document. A concise statement for the degree of relevance is as follows:

AHRENS, Markus; "Structural Integration Of Shape Memory Alloys For Turbomachinery Applications" describes how turbomachinery efficiency could be increased via flow channel geometry adapted to the varying flow conditions and the use of shape memory alloys in turbomachinery.

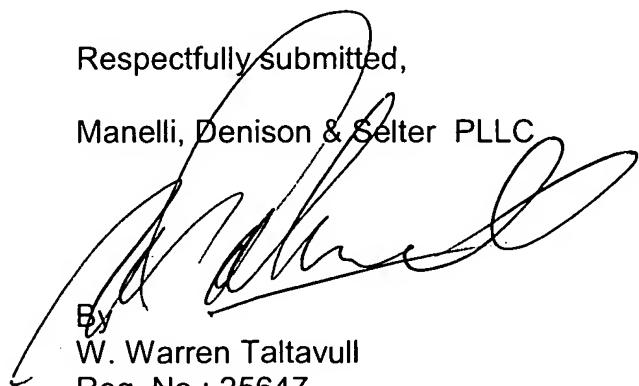
Please accept this Information Disclosure Statement under Rule 1.97(c). In the event any fee is due, deficient or missing, please charge any deficiency to our Deposit Account No. 50-0687 under Order No. 84572 for which purposes this paper is submitted in duplicate.

This information disclosure statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Consideration of the foregoing and enclosures plus the return of a copy of the herewith form with the Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Respectfully submitted,

Manelli, Denison & Selter PLLC

A large, stylized handwritten signature in black ink, likely belonging to W. Warren Taltavull, is written over the text of the signature block.

By  
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Atty.

M#

Client Ref.

WWT

84-572

2858 KAW

## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Date: 5/19/04

MAY 21 2004

Page

1

of

1

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## U.S. PATENT DOCUMENTS

Examiner's	Document	Date	Name	Class	SubClass	Filing
AR						
BR						
CR						
DR						
ER						
FR						
GR						

## FOREIGN PATENT DOCUMENTS

	Document Number	Date M/D/YY	Country	Inventor Name	Class	SubClass	English		Translation	
							Enclose	No	Enclosed	No
IR										
JR										
KR										
LR										
MR										
NR										
OR										

OTHER (Including in **this order** Author, Title, Periodical Name, Date, Pertinent

PR	Markus Ahrens, Structural Integration Of Shape Memory Alloys For Turbomachinery Applications, SPIE (Vol. 3674), March 1999				

Examiner

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